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› HJC HELMETS SMART HJC 21B HJA600 Bluetooth Intercom System User Manual

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Model: SMART HJC 21B HJA600

1. INTRODUCTION

The HJC SMART HJC 21B HJA600 is a second-generation Bluetooth communication system designed for seamless integration with HJC helmets. Developed in collaboration with Sena, this all-in-one unit provides optimal weight balance and aerodynamic performance, enhancing your riding experience without compromising helmet design.

This manual provides detailed instructions for the installation, operation, and maintenance of your SMART HJC 21B HJA600 system. Please read it thoroughly before use to ensure proper functionality and safety.



Figure 1: The HJC SMART HJC 21B HJA600 Bluetooth Intercom Unit.

2. PRODUCT OVERVIEW

The SMART HJC 21B HJA600 is engineered to provide a comprehensive communication solution for motorcyclists. Its integrated design ensures that the unit fits snugly into compatible HJC helmets, minimizing wind noise and the risk of detachment during impacts. The system supports various functions including phone calls, music playback, GPS navigation audio, and multi-person intercom communication.

3. KEY FEATURES

- **Bluetooth 5.1 Low-Power System:** Ensures stable and efficient wireless connectivity.
- **4-Way Bluetooth Intercom:** Allows simultaneous conversation with up to four riders.
- **HD Speakers:** Delivers rich audio quality from mid-range to low-range frequencies.
- **Voice Command Function:** Enables hands-free operation for various features.
- **Audio Multitasking:** Listen to music or GPS navigation while engaging in intercom conversations. Audio levels automatically adjust to prioritize communication.
- **Long Communication Range:** Up to 1.6 km (approximately 1 mile) in open terrain.
- **Extended Battery Life:** Provides up to 13 hours of continuous talk time.
- **Smartphone App Control:** Manage settings, pairing, and access quick guides easily via the dedicated SMART HJC BT smartphone application.
- **Waterproof Design:** Ensures reliable performance in various weather conditions.

4. COMPATIBILITY

The SMART HJC 21B HJA600 is specifically designed for seamless integration with the following HJC helmet models:

- RPHA 71
- RPHA 91
- RPHA 31
- i71

Note: Compatible helmets are sold separately.

5. PACKAGE CONTENTS

Your SMART HJC 21B HJA600 package includes:

- SMART HJC 21B HJA600 Communication Unit
- USB Charging Cable
- User Manual (this document)

6. INSTALLATION

The SMART HJC 21B HJA600 is designed for easy, integrated installation into compatible HJC helmets. Follow these steps for proper installation:

1. **Prepare the Helmet:** Remove the cheek pads and comfort liner from your HJC helmet to access the speaker pockets and wiring channels.
2. **Install Speakers:** Place the HD speakers into the designated speaker pockets inside the helmet. Ensure they are positioned comfortably over your ears.

3. **Route Wiring:** Carefully route the speaker and microphone wires through the helmet's internal channels. The integrated design allows for neat and secure cable management.
4. **Mount the Main Unit:** Align the main communication unit with the designated slot on the left side of the helmet. Press firmly until it clicks securely into place. The unit should sit flush with the helmet shell.
5. **Connect Components:** Connect the speaker and microphone cables to the main unit. Ensure all connections are firm.
6. **Reassemble Helmet:** Reinstall the comfort liner and cheek pads, ensuring no wires are pinched or exposed.



Figure 2: The SMART HJC 21B HJA600 unit seamlessly integrated into a compatible HJC helmet.



Figure 3: Internal view of a compatible HJC helmet, highlighting the speaker cutouts and integrated wiring channels for the SMART HJC system.

7. SETUP AND PAIRING

Before using your SMART HJC 21B HJA600, you need to pair it with your smartphone.

1. **Power On:** Press and hold the main button on the unit for a few seconds until the LED indicator lights up.
2. **Enter Pairing Mode:** With the unit powered on, press and hold the main button and the (+) button simultaneously until the LED flashes blue and red, indicating pairing mode.
3. **Connect via Smartphone:** On your smartphone, go to Bluetooth settings and search for available devices. Select "SMART HJC 21B" from the list.
4. **Confirmation:** Once paired, the LED on the unit will turn solid blue.

8. OPERATING INSTRUCTIONS

8.1. Basic Controls

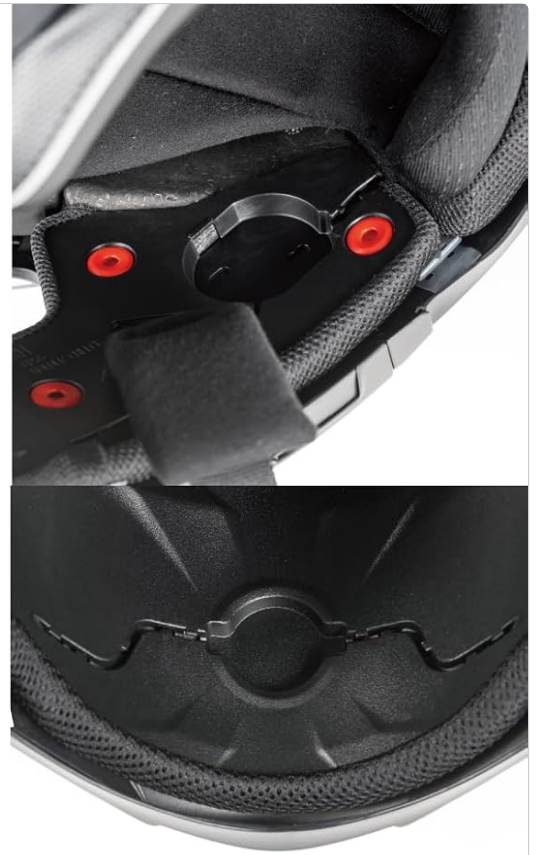
- **Power On:** Press and hold the main button for 1 second.
- **Power Off:** Press and hold the main button for 5 seconds.
- **Volume Up:** Press the (+) button.
- **Volume Down:** Press the (-) button.

8.2. Phone Calls

- **Answer Call:** Press the main button once.
- **End Call:** Press the main button once during a call.
- **Reject Call:** Press and hold the main button for 2 seconds when a call comes in.
- **Voice Dial:** Press the main button for 3 seconds (if supported by your smartphone).

8.3. Music Playback

- **Play/Pause:** Press the main button once.
- **Next Track:** Press the (+) button for 2 seconds.
- **Previous Track:** Press the (-) button for 2 seconds.



SMART HJC ヘルメット専用設計

従来の汎用インカムのように、飛び出した本体による風切り音の増加がなく、衝突時の脱落や破損も最小限に抑えます。

また、整えられた配線により、取り付けも簡単。

※対応ヘルメット：i71/RPHA71/RPHA31/RPHA91 は別売りです。

Figure 4: A motorcyclist enjoying music while riding, enabled by the SMART HJC 21B system.

8.4. Intercom Communication

The SMART HJC 21B supports 4-way intercom communication. Ensure all units are paired before initiating a group intercom.

1. **Pairing Intercom Units:** Refer to the detailed pairing instructions in the full manual or the smartphone app.
2. **Start Intercom:** Press the main button once to initiate a conversation with a paired rider.
3. **End Intercom:** Press the main button once to end the intercom conversation.



オーディオマルチタスク機能

音楽やナビ音声を聴きながら、同時にグループでの会話が可能。インターコムでの会話中、音楽やナビの音量が自動で小さく調整され、会話を遮ることなくツーリングを楽しめます。

Figure 5: A rider utilizing the audio multitasking feature, indicated by icons for group conversation and music playback.



Figure 6: Illustration of the maximum 1.6 km communication range between Bluetooth intercom units in an open environment.

8.5. Voice Commands

The SMART HJC 21B supports voice commands for hands-free operation. Say a command after activating the voice command feature (refer to the full manual for activation details).

9. SMARTPHONE APP (SMART HJC BT)

The dedicated SMART HJC BT smartphone application provides an intuitive interface for managing your communication system. The app allows you to:

- Adjust settings and preferences.
- Manage intercom pairings and groups.
- Access a quick start guide and user manual.
- Update firmware.

Download the "SMART HJC BT" app from the App Store (for iOS) or Google Play Store (for Android).

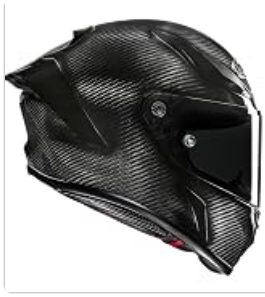


Figure 7: Screenshots of the SMART HJC BT smartphone application, showing controls for intercom, audio, and device settings.

10. BATTERY AND CHARGING

The SMART HJC 21B HJA600 features a built-in rechargeable battery.

- **Charging Time:** Approximately 3 hours for a full charge.
- **Operating Time:** Up to 13 hours of continuous talk time.
- **Charging:** Connect the unit to a USB power source using the provided USB cable. The LED indicator will show charging status.



通話時間

最大 22 時間の連続使用が可能。長距離ツーリングでも安心です。
※お使いの環境により異なる場合がございます。

Figure 8: A rider interacting with the control unit, highlighting the long talk time capability of up to 22 hours (Note: Product specifications state 13 hours, this image may refer to a different model or general capability).

11. MAINTENANCE

To ensure the longevity and optimal performance of your SMART HJC 21B HJA600, follow these maintenance guidelines:

- **Cleaning:** Wipe the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the unit in a cool, dry place when not in use.
- **Water Exposure:** While waterproof, avoid prolonged submersion. Ensure the USB port cover is securely closed.

12. TROUBLESHOOTING

If you encounter issues with your SMART HJC 21B HJA600, try the following solutions:

Problem	Solution
Unit does not power on	Ensure the battery is charged. Connect to a USB power source and try again.
Cannot pair with smartphone	Ensure the unit is in pairing mode (flashing blue/red LED). Turn off and on your smartphone's Bluetooth. Try resetting the unit (refer to full manual).
No audio from speakers	Check volume levels on both the unit and your smartphone. Ensure speakers are properly connected and positioned.
Intercom not connecting	Ensure all units are within range and properly paired. Re-initiate intercom connection.
Poor audio quality	Check speaker placement. Ensure microphone is positioned correctly to reduce wind noise.

For further assistance, refer to the full user manual available via the SMART HJC BT app or contact customer support.

13. SPECIFICATIONS

Feature	Detail
Model Number	HJA600 (SMART HJC 21B)
Bluetooth Version	5.1
Intercom Range	Up to 1.6 km (in open terrain)
Max Intercom Participants	4 riders
Talk Time	Up to 13 hours
Charging Time	Approximately 3 hours
Speaker Type	HD Speakers (Dynamic Driver)
Speaker Size	20 mm
Impedance	10 Ohms
Noise Control	Active Noise Cancellation, Adaptive Noise Cancellation, Passive Noise Cancellation
Control Method	Buttons, Touch, Voice Command
Connectivity	Wireless (Bluetooth)
Waterproof	Yes
Weight	92 grams
Material	Polyurethane (PU), Polycarbonate (PC), Thermoplastic Elastomer (TPE), Metal
Recommended Use	Audio Monitoring, Touring, Communication
Compatible Devices	Motorcycles, Mobile Phones

14. WARRANTY AND SUPPORT

The HJC SMART HJC 21B HJA600 comes with a **2-year manufacturer's warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or service, please contact HJC HELMETS customer service or visit their official website. Contact information can typically be found on the product packaging or the official HJC HELMETS website.

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Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question